

FOR AGES

13+



3-DAY WORKSHOP

WEB DEV



REACT & NEXT.JS

React Components & Hooks

25TH, 26TH & 27TH
APRIL 2026

6 PM TO 8 PM

ONLINE /
OFFLINE

₹1800/- ONLY

Vipul Khatri -7506751865



REJOICE INTERNATIONAL SCHOOL
Bhandarwada Marg, Chincholi Bunder, Malad
West, Mumbai - 400064.

SCAN ME !!!



WORKSHOP CURRICULUM

Table of Content

| Day | Topic | Concepts Covered | Activity |
|-------|-------------------------|--|--|
| Day 1 | Introduction to React | Modern web development, React basics, components, JSX, project creation | Build header, card, button |
| Day 2 | React Interactivity | Props, state, event handling, dynamic interfaces | Create counter or simple dashboard |
| Day 3 | Introduction to Next.js | Next.js framework, file-based routing, page structure, multi-page applications | Build small multi-page website using Next.js |

Course Outcomes

- Introduction to modern frontend development using React and Next.js
- Learn JSX, components, props, and routing through hands-on projects
- Understand component-based architecture for building scalable applications
- Develop a simple multi-page website or portfolio project

Learning Outcomes

- Understand modern web development and React fundamentals
- Build component-based user interfaces
- Create interactive applications using state and events
- Understand Next.js and multi-page application structure
- Develop skills in frontend application development



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13+



3 DAY WORKSHOP

ADVANCE PYTHON

API
INTEGRATION

★ STREAMLI ★
T

WEB
APPS

25TH, 26TH & 27TH
APRIL 2026

6 PM TO 8 PM

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OFFLINE

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WORKSHOP CURRICULUM

Table of Content

| Day | Topic | Concepts Covered | Activity |
|-------|--|--|--|
| Day 1 | Python Basics and Introduction to APIs | Python refresher, variables, lists, dictionaries, loops, functions, APIs, HTTP | Write programs, explore API responses |
| Day 2 | Python API Integration | JSON, requests library, GET requests, API responses, data extraction | Build Weather Information program |
| Day 3 | Streamlit and API Web Applications | Streamlit basics, UI building, API data display, user input | Build Streamlit app (Weather Dashboard/Joke Generator) |

Course Outcomes

- Understand APIs, HTTP requests, and JSON data
- Fetch and process real-time data using Python (requests)
- Build interactive web apps using Streamlit
- Develop a simple API-based dashboard application

Learning Outcomes

- Understand Python programming fundamentals
- Learn how APIs work and are used in real-world applications
- Integrate Python with external APIs
- Build interactive web applications using Streamlit
- Develop logical thinking and problem-solving skills



FOR AGES

10+



3 DAY WORKSHOP

ROBOTICS & AI

**STEP INTO THE FUTURE: BUILD ROBOTS
AND THINK LIKE AI!**

**4TH, 5TH & 6TH
MAY 2026**

**11.30 AM TO
01:30 PM**

OFFLINE

₹4500/- ONLY

Vipul Khatri -7506751865



REJOICE INTERNATIONAL SCHOOL
Bhandarwada Marg, Chincholi Bunder, Malad
West, Mumbai - 400064.

SCAN ME !!!



WORKSHOP CURRICULUM

Table of Content

| Day | Topic | Concepts Covered | Activity |
|-------|----------------------------|---|---------------------------------------|
| Day 1 | Automatic Night Lamp (LDR) | LDR working, light-based control | Build automatic lighting system |
| Day 2 | Water Level Indicator | Water level sensing, indicators | Build water level indicator |
| Day 3 | Irrigation System | Soil moisture sensing, smart irrigation | Build automatic plant watering system |
| | Gas Detection System | Gas sensors, safety systems | Build gas detection circuit |

Course Outcomes

- Understand robotics, electronics, and basic AI concepts
- Build and program Arduino-based projects using sensors
- Develop problem-solving and logical thinking skills
- Create real-world applications like automation and smart systems

Learning Outcomes

- Understand basic electronics and circuits
- Learn Arduino coding fundamentals
- Work with sensors and automation systems
- Build and control basic robotic projects
- Develop logical thinking & problem-solving skills



FOR AGES

6+



3-DAY WORKSHOP

STEAM & ELECTRONICS

**Build your first circuit and
spark curiosity early!**

**4TH, 5TH & 6TH
MAY 2026**

**11.30 AM TO
01:30 PM**

OFFLINE

₹2800/- ONLY

Vipul Khatri -7506751865



**REJOICE INTERNATIONAL SCHOOL
Bhandarwada Marg, Chincholi Bunder, Malad
West, Mumbai - 400064.**

SCAN ME !!!



WORKSHOP CURRICULUM

Table of Content

| Day | Topic | Contents Covered | Activity |
|-------|-------------------------|----------------------------|----------------------|
| Day 1 | Magnetic Controlled Car | Magnetism | Build magnetic car |
| Day 2 | Kaleidoscope Activity | Reflection, symmetry | Create kaleidoscope |
| Day 3 | Paper Circuits | Conductive materials, LEDs | Make glowing objects |
| | Switch Circuit | Basic circuits, switches | Build glow circuit |

Course Outcomes

- Understand core STEAM concepts through hands-on learning
- Develop critical thinking and problem-solving skills
- Apply basic electronics to real-world projects
- Build creativity through design and experimentation

Learning Outcomes

- Understand basic electronics and circuit building
- Develop creativity and design thinking
- Improve logical reasoning and problem-solving
- Gain hands-on experience and confidence with STEAM activities



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3-DAY WORKSHOP

CAD DESIGN

DESIGN IT. MODEL IT. BRING YOUR IDEAS TO LIFE IN 3D!

25TH, 26TH & 27TH
APRIL 2026

6 PM TO 8 PM

ONLINE /
OFFLINE

₹1800/- ONLY

SCAN ME !!!



Vipul Khatri -7506751865



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West, Mumbai - 400064.

WORKSHOP CURRICULUM

Table of Content

| Day | Topic | Concepts Covered | Activity |
|-------|---|--|---|
| Day 1 | Introduction to CAD and FreeCAD Interface | CAD basics, interface, navigation, sketch tools | Create basic 2D sketches |
| Day 2 | 2D Sketching and 3D Modeling | Constraints, extrusion (pad), 3D shapes | Convert sketches to 3D models |
| Day 3 | Building Complete 3D Models | Part design, shape modification, assembly basics | Design simple product (phone stand, etc.) |

Course Outcomes

- Learn CAD fundamentals and navigate the FreeCAD interface
- Create 2D sketches and convert them into 3D models
- Apply parametric design techniques for modifying models
- Design basic 3D objects and simple mechanical parts

Learning Outcomes

- Understand CAD concepts and FreeCAD interface
- Create 2D sketches using proper constraints
- Convert 2D designs into 3D models
- Design and modify basic 3D objects
- Develop skills in product design and visualization



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13+



3 DAY WORKSHOP

INK SCAPE

Create stunning graphics and designs
from scratch!

25TH, 26TH & 27TH
APRIL 2026

6 PM TO 8 PM

ONLINE /
OFFLINE

₹1800/- ONLY

Vipul Khatri -7506751865



REJOICE INTERNATIONAL SCHOOL
Bhandarwada Marg, Chincholi Bunder, Malad
West, Mumbai - 400064.

SCAN ME !!!



WORKSHOP CURRICULUM

Table of Content

| Day | Topic | Concepts Covered | Activity |
|-------|--|--|---------------------------------|
| Day 1 | Introduction to Vector Design & Inkscape | Vector vs raster, interface, shapes | Create basic shapes with colors |
| Day 2 | Drawing and Editing Graphics | Path tools, gradients, text, alignment | Design icons or illustrations |
| Day 3 | Creative Design Project | Layers, grouping, export, layout | Create poster or logo |

Course Outcomes

- Understand vector graphics concepts and the Inkscape interface
- Use shape, path, and text tools effectively
- Apply colors, gradients, layers, and alignment techniques
- Design complete logos, posters, or digital illustrations

Learning Outcomes

- Understand vector graphics and design fundamentals
- Use Inkscape tools for drawing and editing
- Apply alignment, layout, and basic design principles
- Create and modify simple vector illustrations

